

Title: CACHING WITH SELECTIVE MULTICASTING IN A PUBLISH-SUBSCRIBE NETWORK

Inventor(s): Shalini YAJNIK, et al.

Contact Name: Sean S. Wooden (202) 442-3000

Attorney Docket No.: 33078/US/2

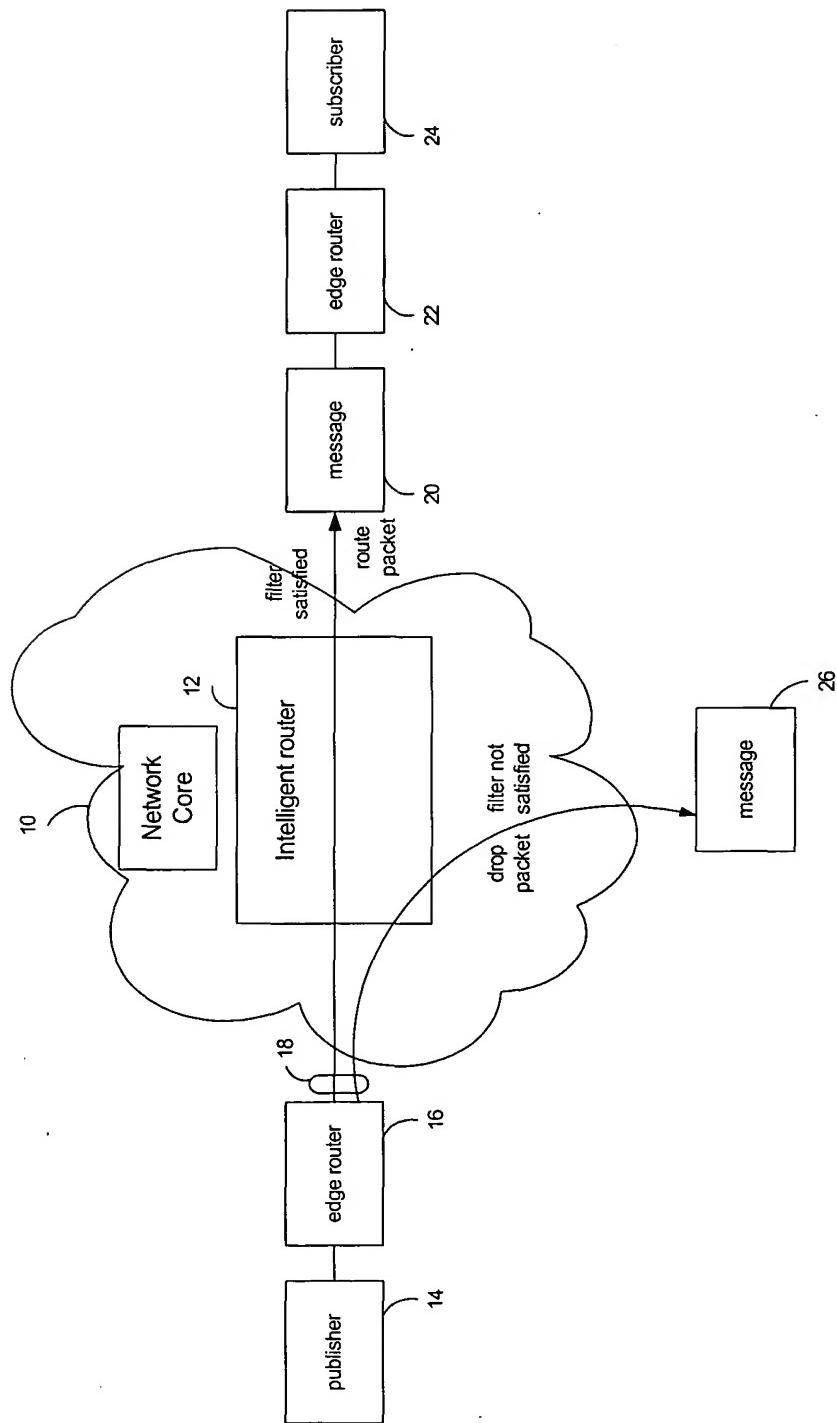


FIG. 1

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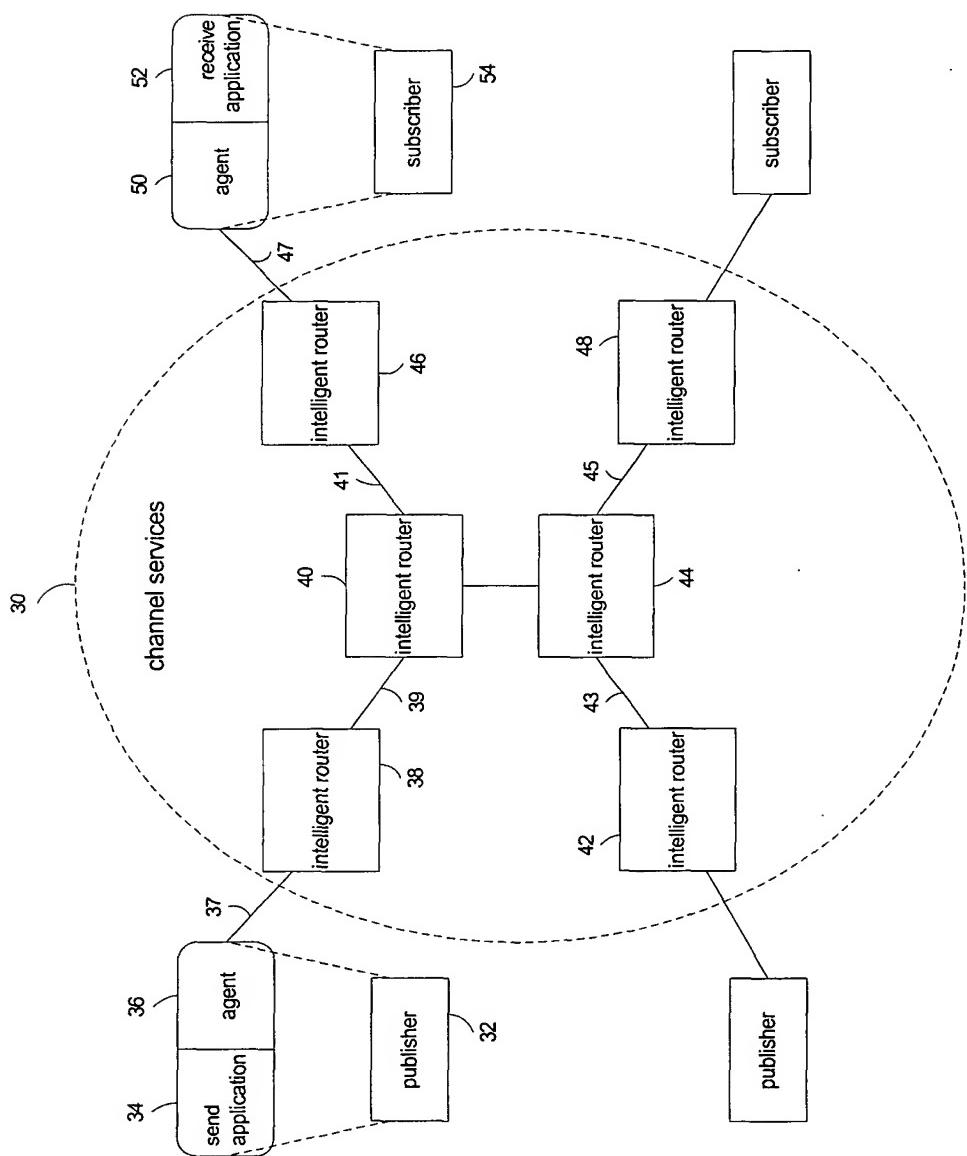


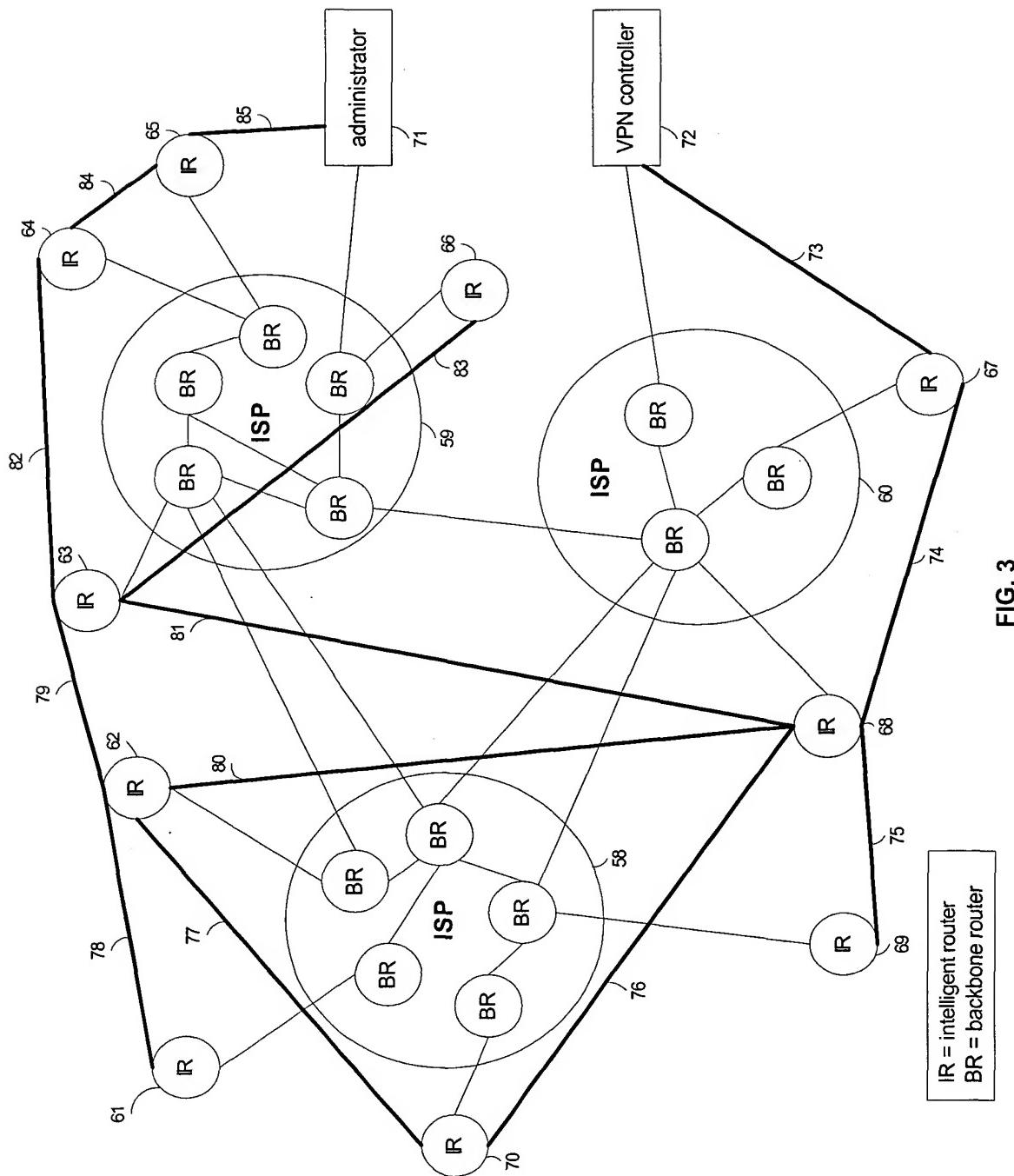
FIG. 2

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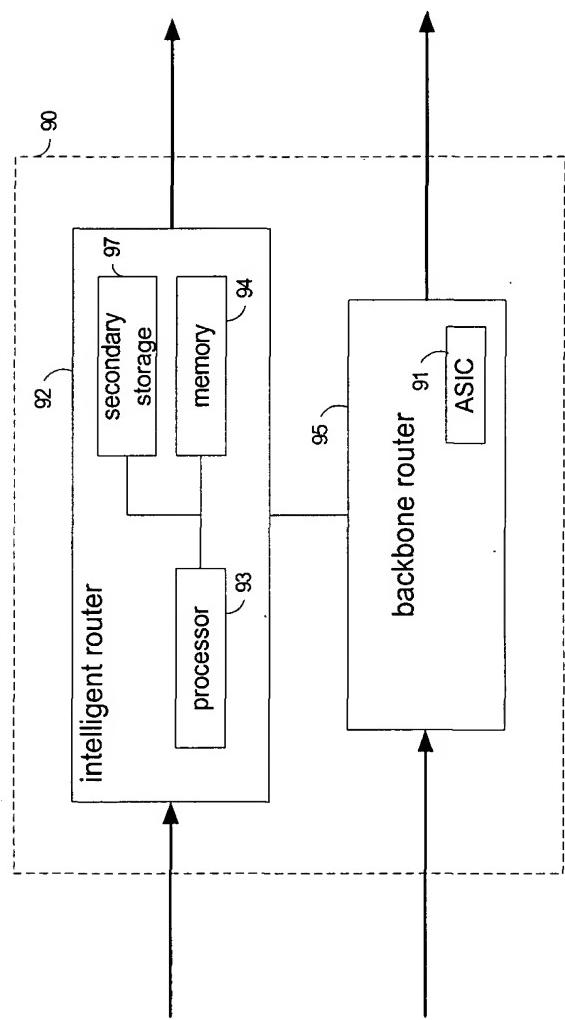


FIG. 4

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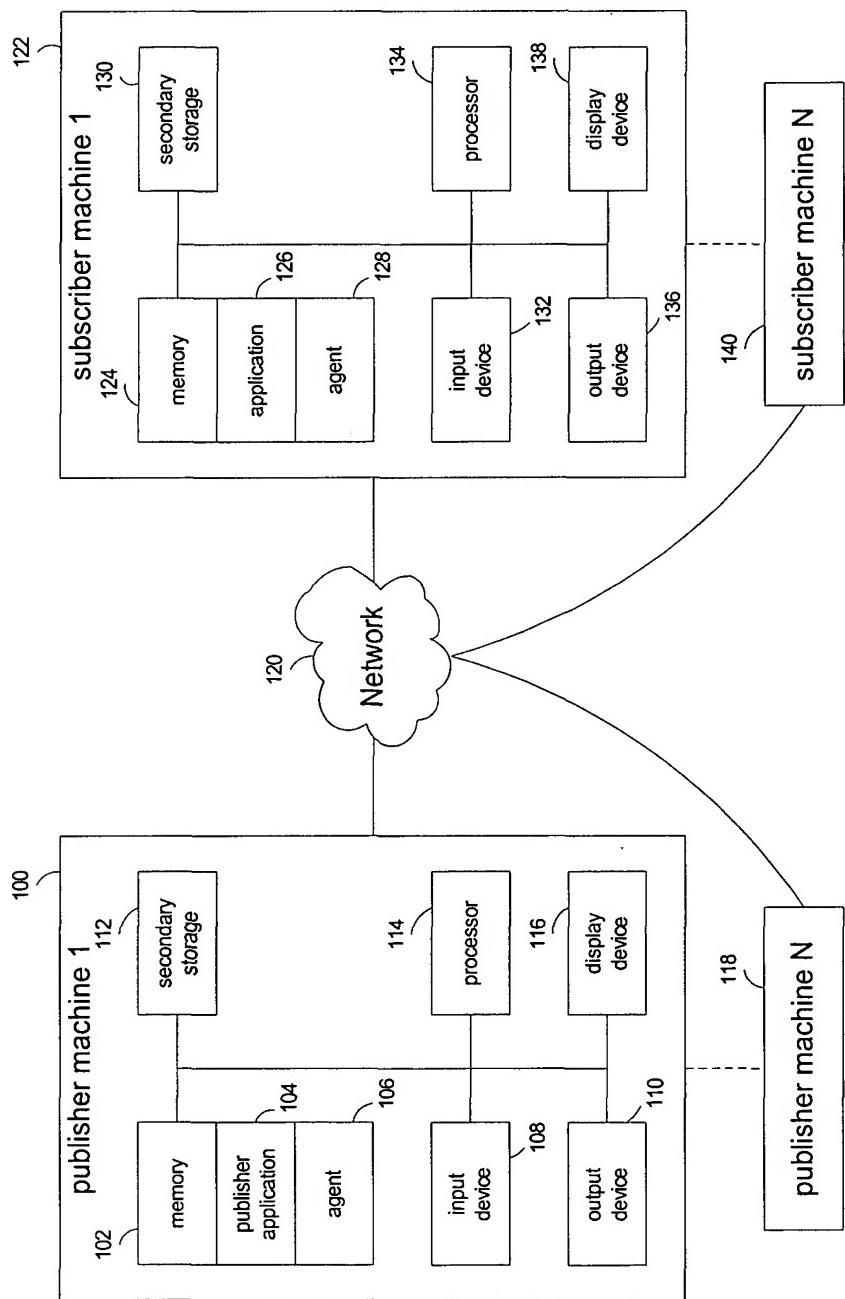


FIG. 5

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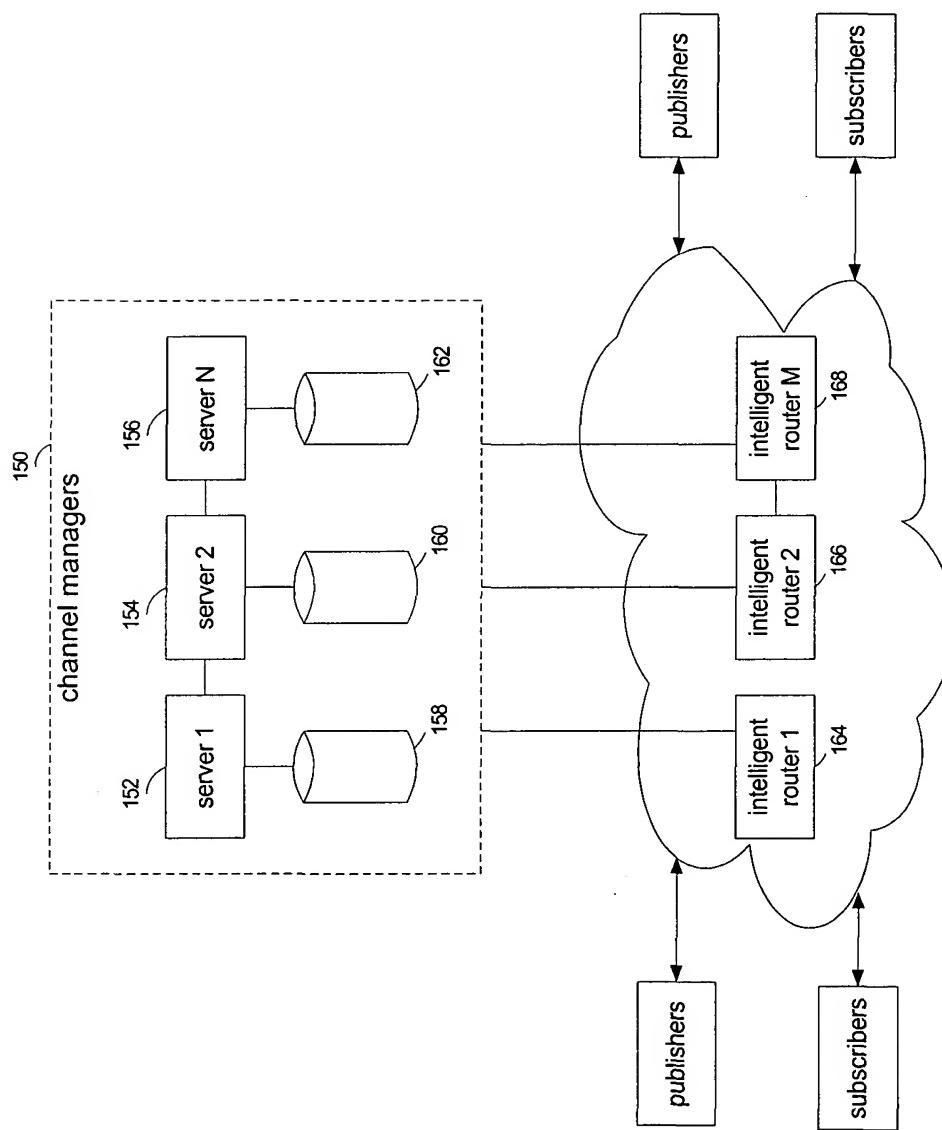


FIG. 6

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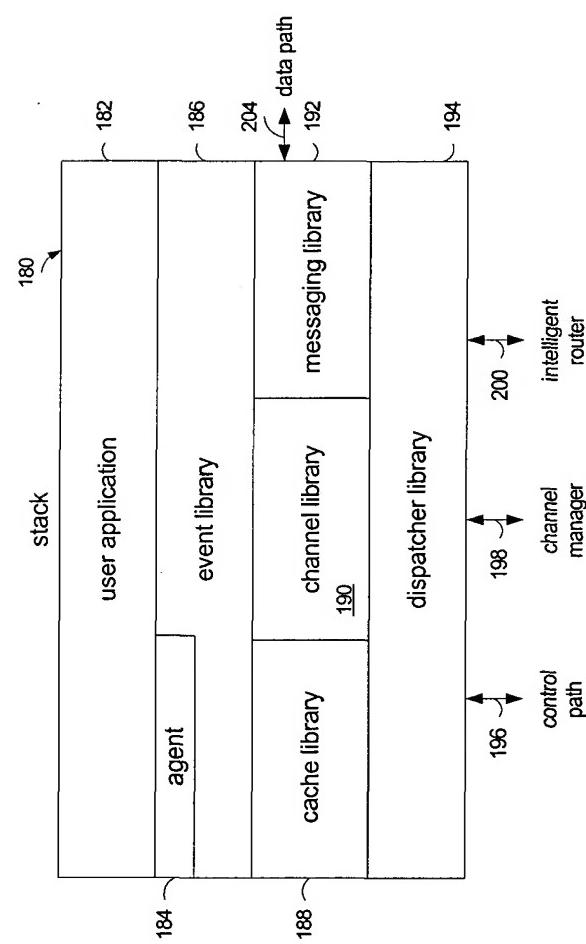


FIG. 7

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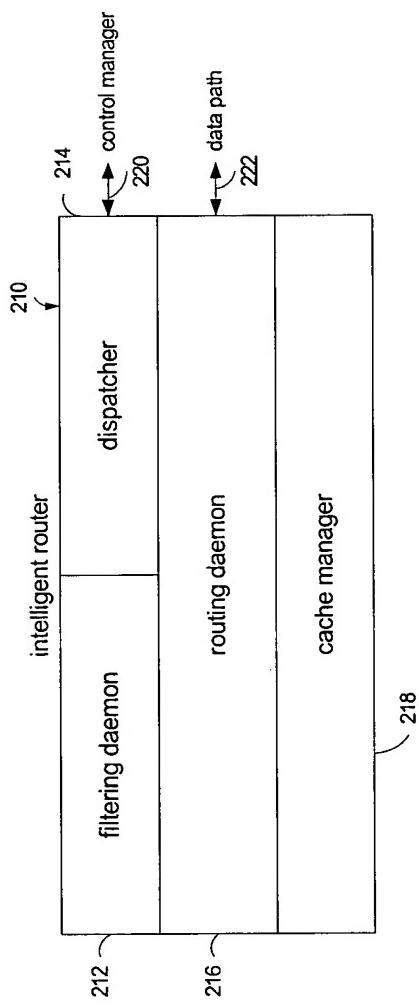


FIG. 8

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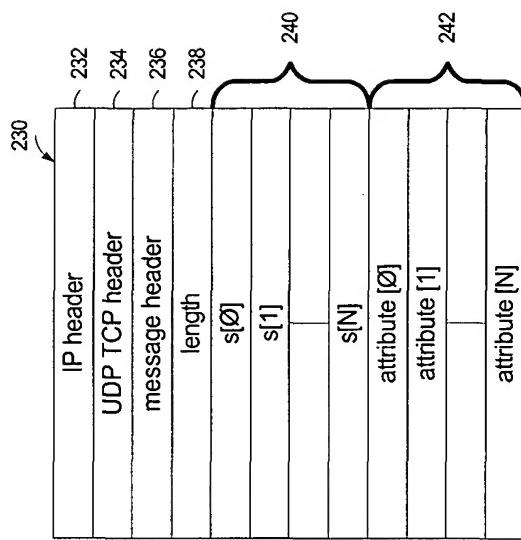


FIG. 9

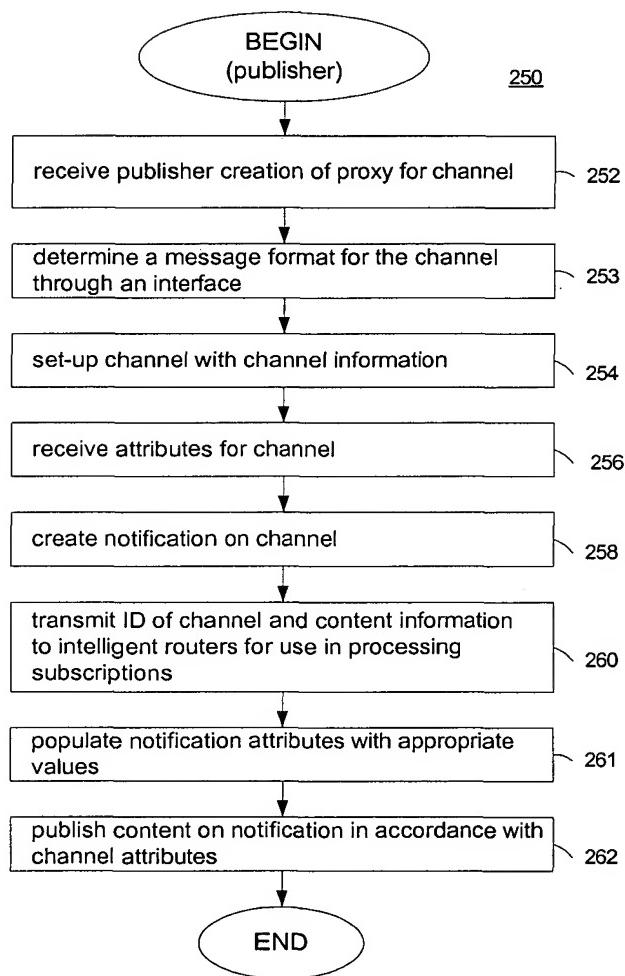


FIG. 10

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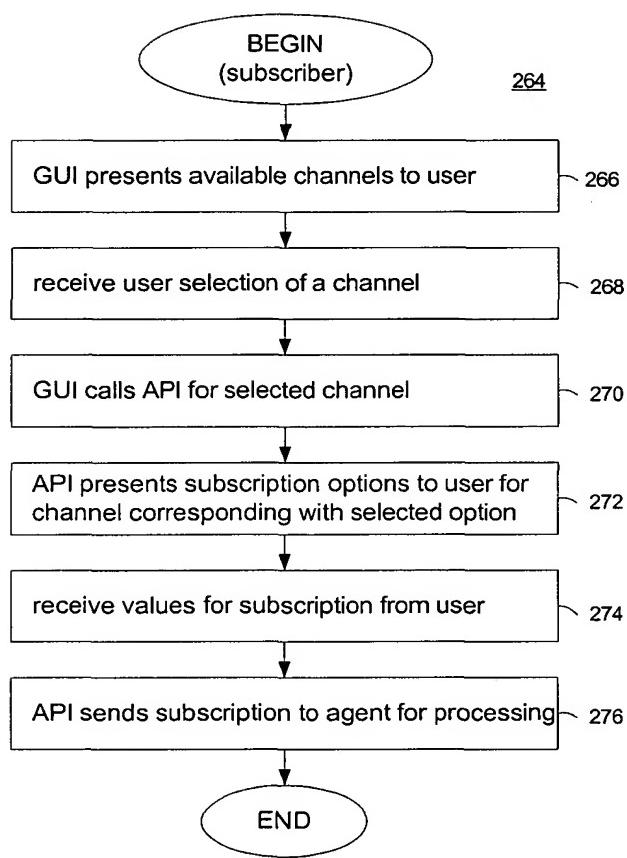


FIG. 11

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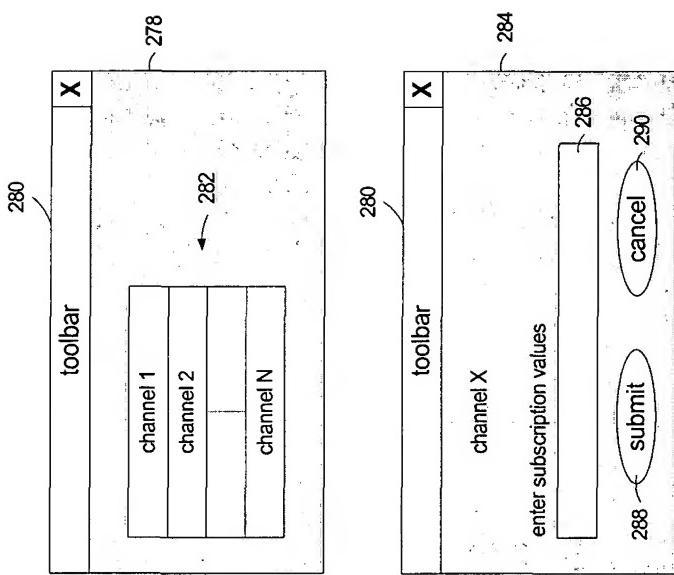


FIG. 12

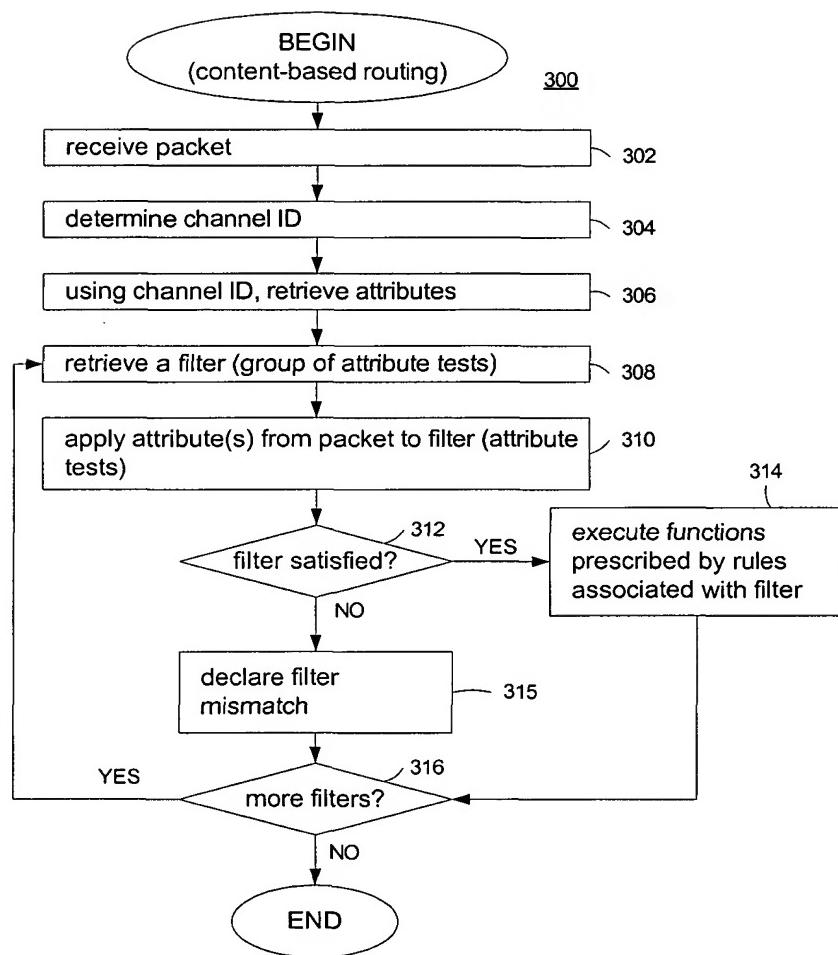


FIG. 13

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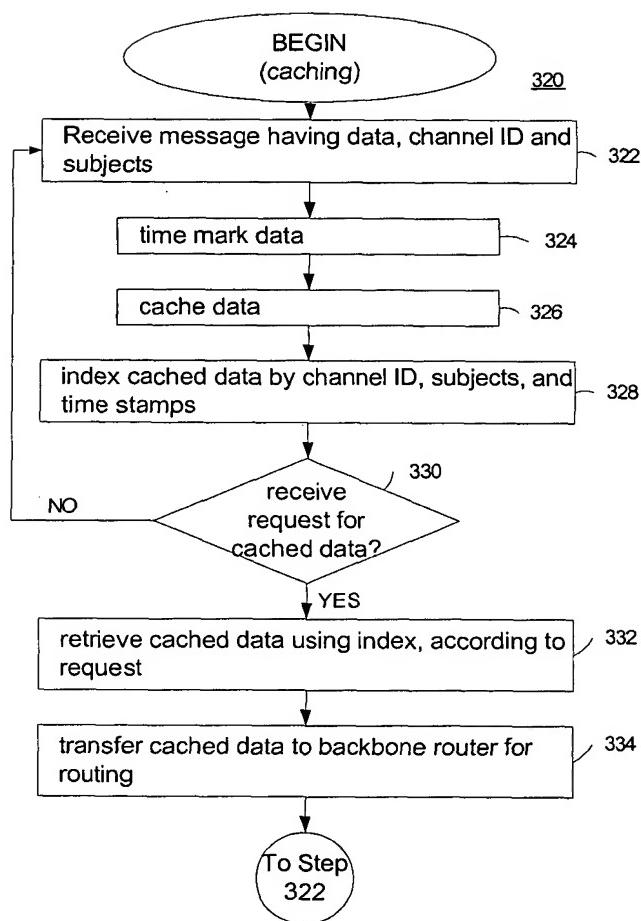


FIG. 14

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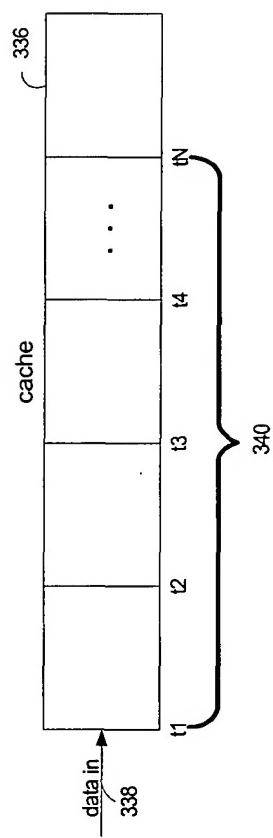


FIG. 15

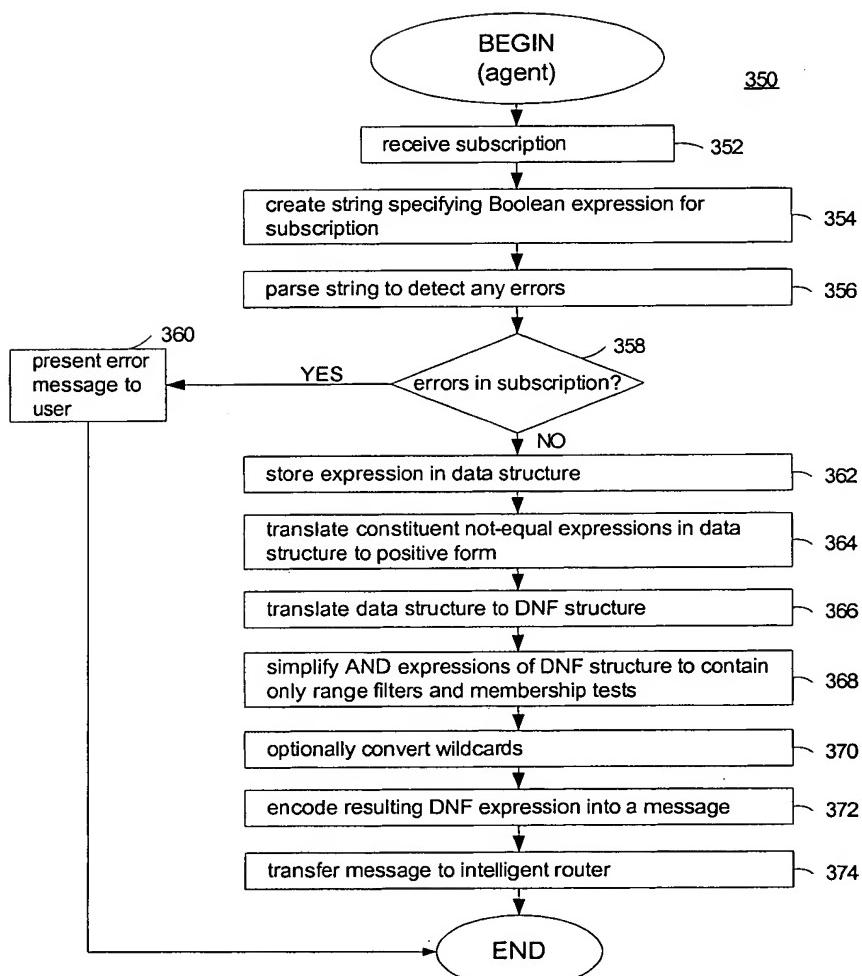


FIG. 16

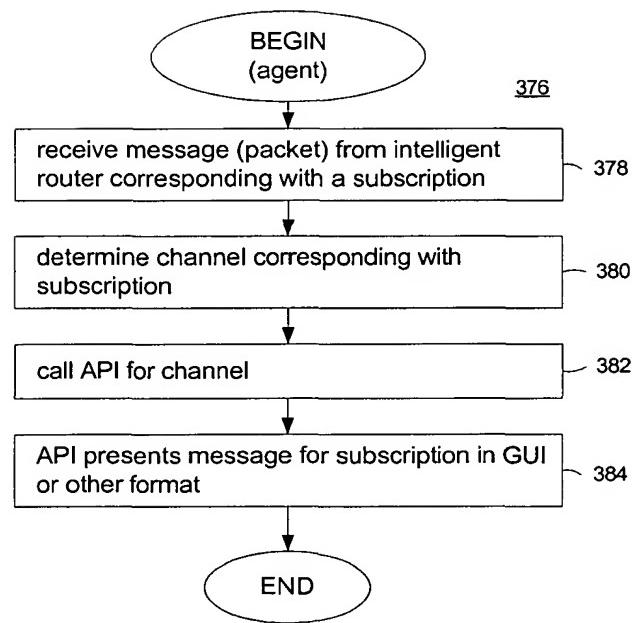


FIG. 17

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72	Bytes in message		
2	Channel ID (assumed)		
3001	Publisher ID (assumed)		
950384	Publisher Session ID (assumed)		
39	Sequence number (assumed)		
0	2	unused	Number of subject fields
0	50	Subject ID for #	Subject ID for SUBSCRIPTION
5688	0	Port number (assumed)	Subscription ID (assumed)
1	4	Number of subject filter fields	Number of attribute tests
5	0	Subject ID for >	padding to 4 bytes
0 00000000 00110 001	1 00000001 01100 011	Encoding of price >=	Encoding of and symbol = =
0 00000000 00110 001	1 0000010 01100 010	Encoding of price >=	Encoding of and volume between
10	10	Operand of price >=	
2	2	Size of operand of symbol =	
L	U	NULL	Operand of symbol = = (2 characters + 2 bytes padding)
		NULL	
10	10	Operand of price >=	
1000	1000	First operand of volume between	
10000	10000	Second operand of volume between	

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FIG. 18

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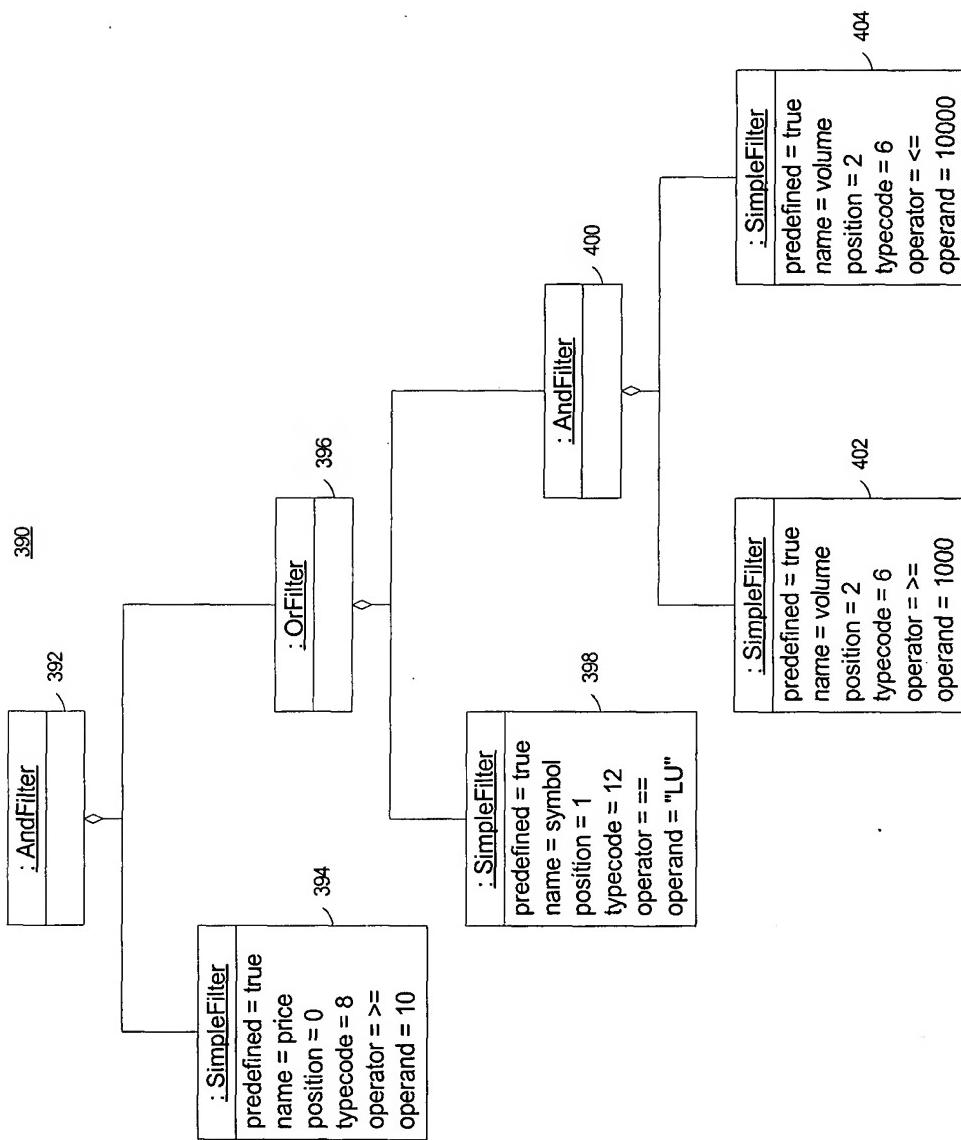


FIG. 19

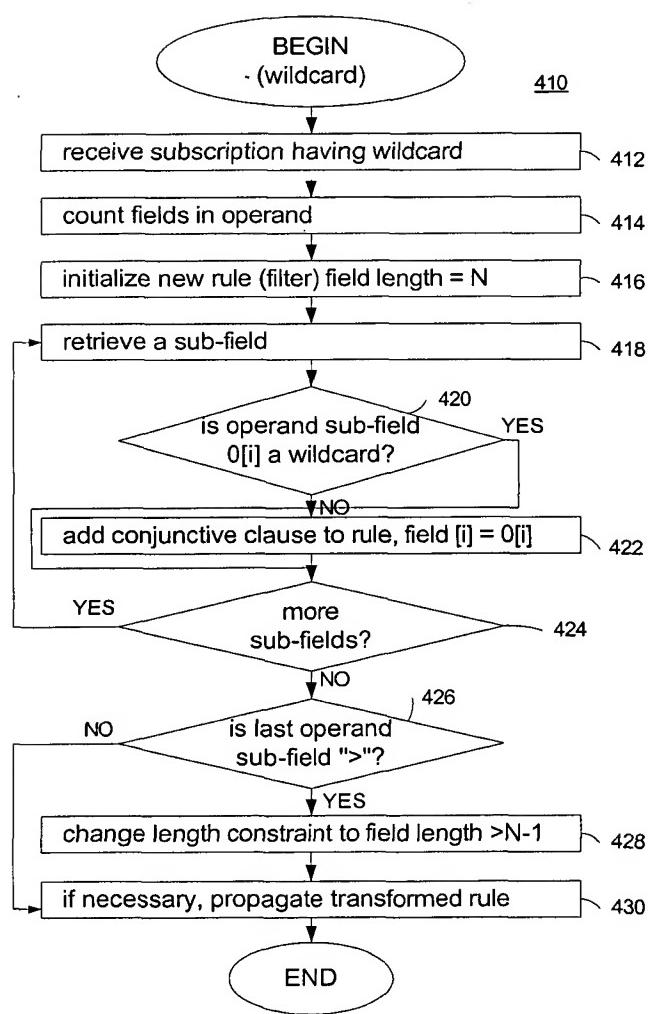


FIG. 20

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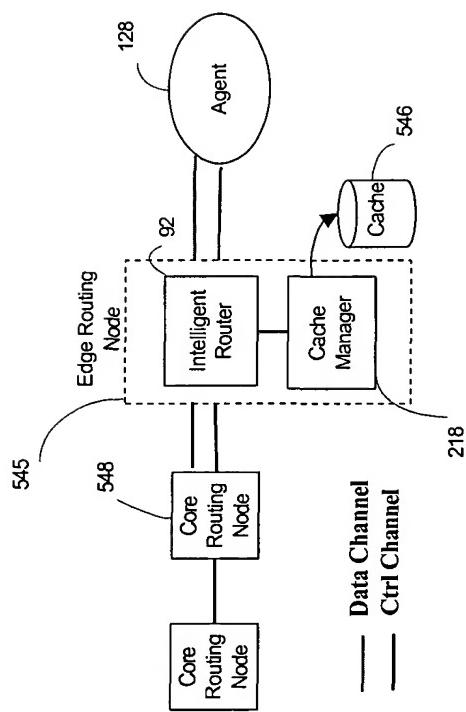


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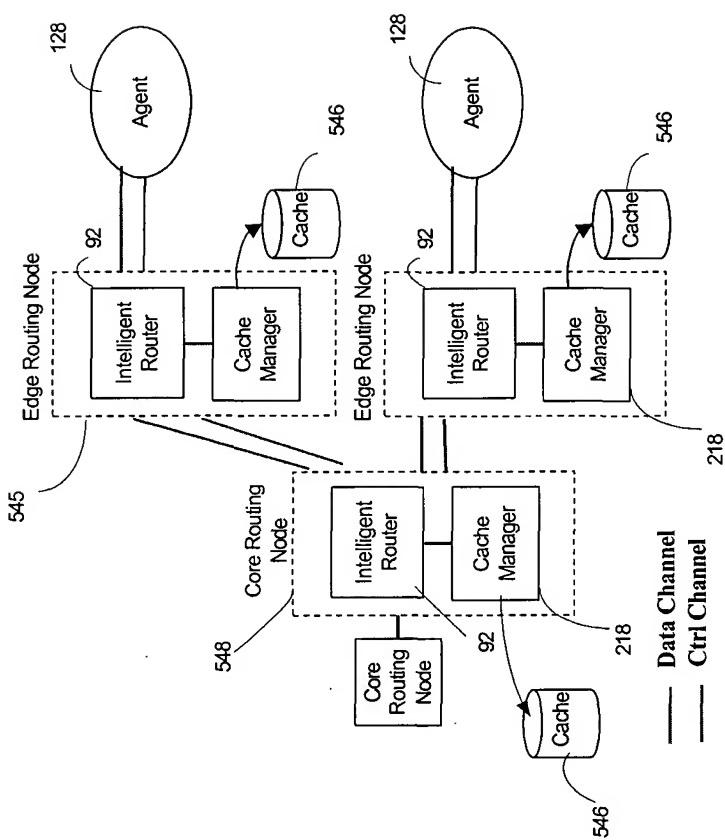


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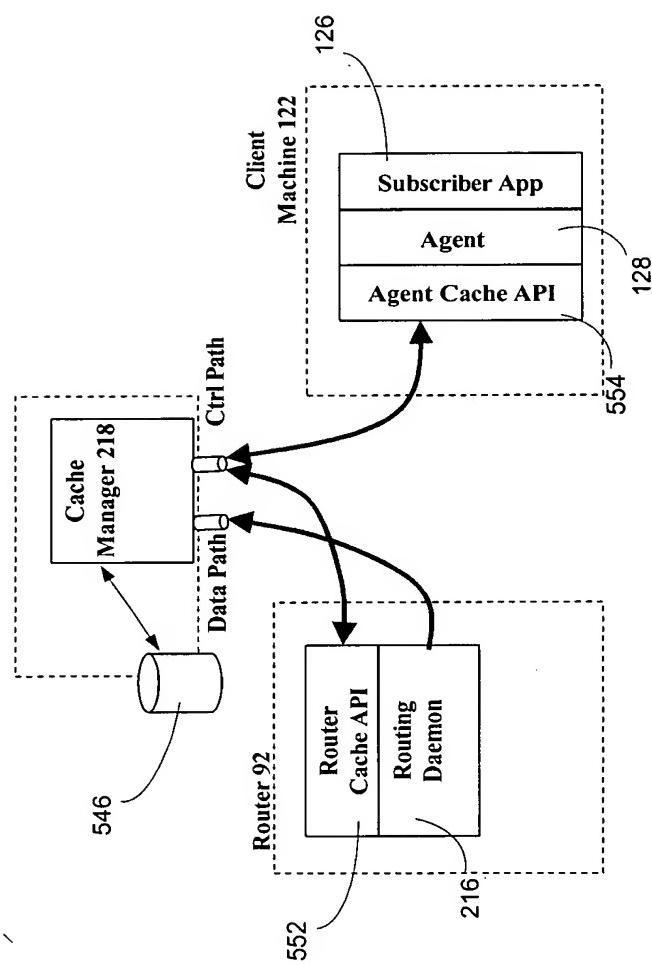


FIG. 23

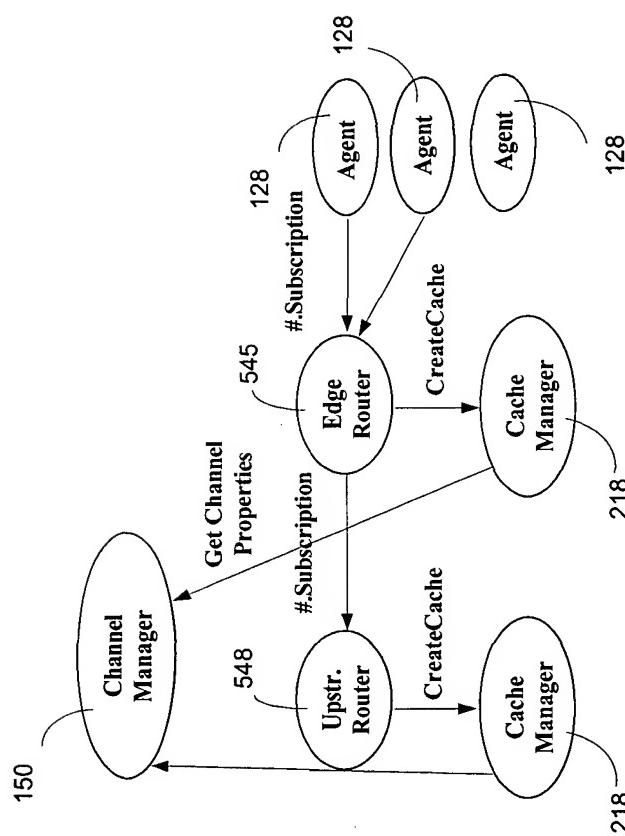


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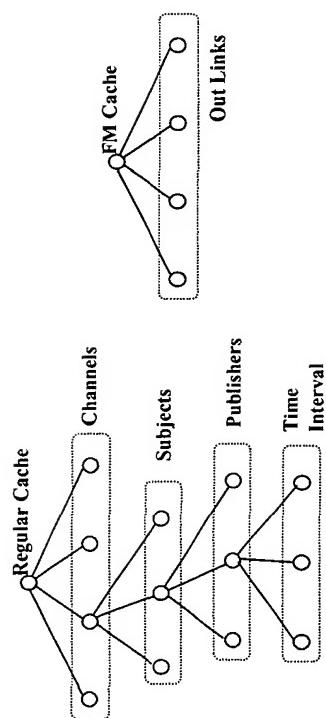


FIG. 25

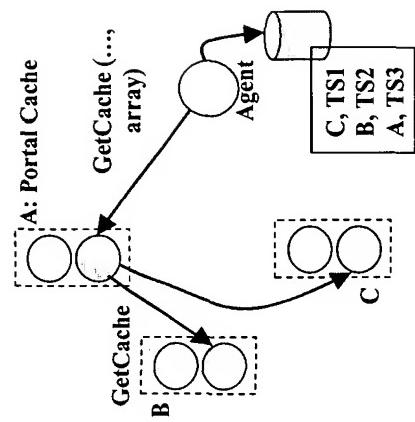


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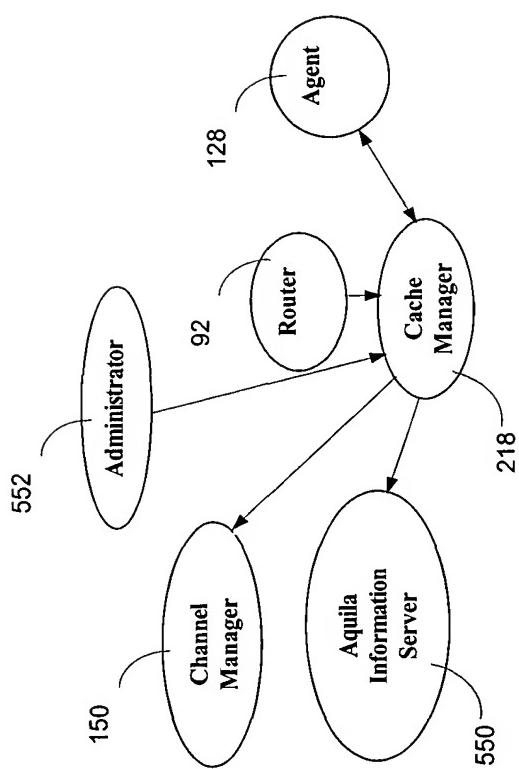


FIG. 27

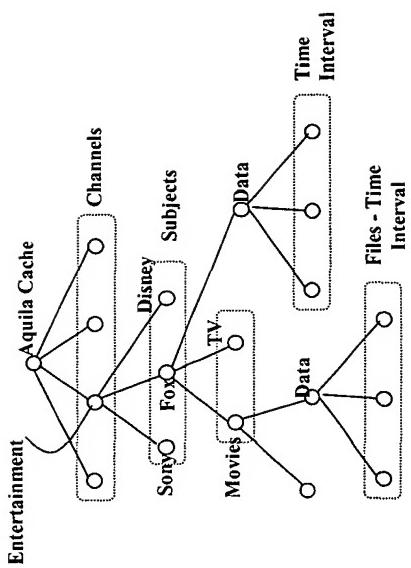


FIG. 28